

# John Randolph

SOFTWARE ENGINEER · DATA SCIENTIST

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## Education

### Brown University

Providence, RI

B.S., APPLIED MATH-COMPUTER SCIENCE AND BEHAVIORAL DECISION SCIENCES

September 2017 - May 2021

- GPA: 3.94 / 4.0

### Lakeside School

Seattle, WA

HIGH SCHOOL DIPLOMA

September 2013 - May 2017

- GPA: 3.97 / 4.0
- ACT: 35

## Experience

### Facebook

Seattle, WA

SOFTWARE ENGINEERING INTERN

Summer 2019

- Worked primarily in PHP, Javascript for the Monthly Billing Team
- Built framework for backend usage of business, organization, and monthly invoicing flows

### The Policy Lab @ Brown

Providence, RI

DATA SCIENTIST INTERN

Spring 2019

- Worked primarily in R
- Increased payment compliance for traffic tickets in New Orleans
- Created proposal for statewide integrated data system
- Redesigned DMV forms and presented at Rhode Island DMV and DOR

### University of Washington Clinical Informatics Research Group

Seattle, WA

SOFTWARE ENGINEERING INTERN

Summer 2018

- Worked primarily in Python, JavaScript
- For movember.com and truenorth.org, updated code from Python 2 to 3
- Implemented Swagger UI for testing
- Performed QA testing

## Skills

**Languages** Java, C, R, Python, JavaScript, HTML, CSS, PHP, SQL, Scala, Racket, OCaml  
**Software** MATLAB, Mathematica, Rhinoceros, OpenSCAD, LaTeX

## Coursework

### Major

Coursework

### Applied Math

Computational Prob & Stats  
Statistical Inference I  
Probabilistic Models of Ops Research  
Applied ODEs  
Honors Linear Algebra  
Logic  
Advanced Mathematical Logic

### Computer Science

Artificial Intelligence  
Machine Learning  
Discrete Structures & Prob  
Systems  
Logic for Systems  
CS: An Integrated Introduction I  
CS: An Integrated Introduction II

### Behavioral Decision Sciences

Psychology of Making Decisions  
Introduction to Neuroscience  
Principles of Economics  
Mathematical Microeconomics  
Behavioral Economics

## Honors & Awards

- 2017 **Winner**, National Merit Competition
- 2016 **Round One Winner**, Paul Allen Computing Challenge